

CLAIMS

What is claimed is:

1. A computer-implemented method for downloading a radio configuration (R-CFG) file onto a software defined radio (SDR) device from a server comprising:
 - 5 forming a secure connection between the SDR device and the server;
 - sending a message that requests the R-CFG to be downloaded over the network from the server to the SDR device;
- 10 downloading the R-CFG from the server to the SDR; and using a device manager on the SDR device to determine whether the R-CFG is compatible with the SDR device.
2. The computer-implemented method of claim 1, wherein the R-CFG is compatible with the SDR device provided that the R-CFG controls at least one radio frequency parameter solely within a permitted level established by a regulatory agency.
- 20 The computer-implemented method of claim 1, wherein the R-CFG is compatible with the SDR device provided that the R-CFG is configured to execute on a particular type of SDR device.

4. The computer-implemented method of claim 1, wherein a jurisdiction identifier is transmitted with the message.

5. The computer-implemented method of claim 4, wherein the jurisdiction identifier can be modified by a user of the SDR device.

6. A method for downloading a R-CFG file onto a SDR device from a server comprising:

forming a secure connection between the SDR device and the server;
10 receiving a message that requests the R-CFG to be downloaded to the SDR device;

determining a type of SDR device to receive the R-CFG from the request message;

making a determination whether the R-CFG file is configured to control
15 a plurality of radio frequency parameters solely within permitted levels established by a regulatory agency; and

uploading the R-CFG from the server to the SDR based on the determination.

7. A method for downloading a radio configuration (R-CFG) file onto a software defined radio (SDR) device from a server comprising:
 - forming a secure connection between the SDR device and the server;
 - receiving a message that requests the R-CFG to be downloaded to the
 - 5 SDR device;
 - determining a type of SDR device to receive the R-CFG from the request message;
 - making a determination whether the R-CFG file is compatible with the SDR device; and
 - 10 uploading the R-CFG from the server to the SDR based on the determination.
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8. The computer-implemented method of claim 7, wherein the R-CFG is compatible with the SDR device provided that the R-CFG is
 - 15 configured to execute on a particular type of SDR device.
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9. The computer-implemented method of claim 7, wherein a jurisdiction identifier is transmitted with the message.
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- 20 10. The computer-implemented method of claim 7, wherein the jurisdiction identifier can be modified by a user of the SDR device.

11. An apparatus comprising:

- storage media including instructions stored thereon which when
5 executed cause a computer system to perform a method including:
 forming a secure connection between the SDR device and a server of
 the computer system;
 receiving a message that requests the R-CFG to be downloaded to the
 SDR device;
10 determining a type of SDR device to receive the R-CFG from the
 request message;
 making a determination whether the R-CFG file is compatible with the
 SDR device; and
 uploading the R-CFG from the server to the SDR based on the
15 determination.

12. The apparatus of claim 11, wherein the R-CFG is compatible with the
SDR device provided that the R-CFG is configured to execute on a particular
type of SDR device.

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13. The apparatus of claim 11, wherein a jurisdiction identifier is
transmitted with the message.

14. The computer-implemented method of claim 11, wherein the jurisdiction identifier can be modified by a user of the SDR device.